

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

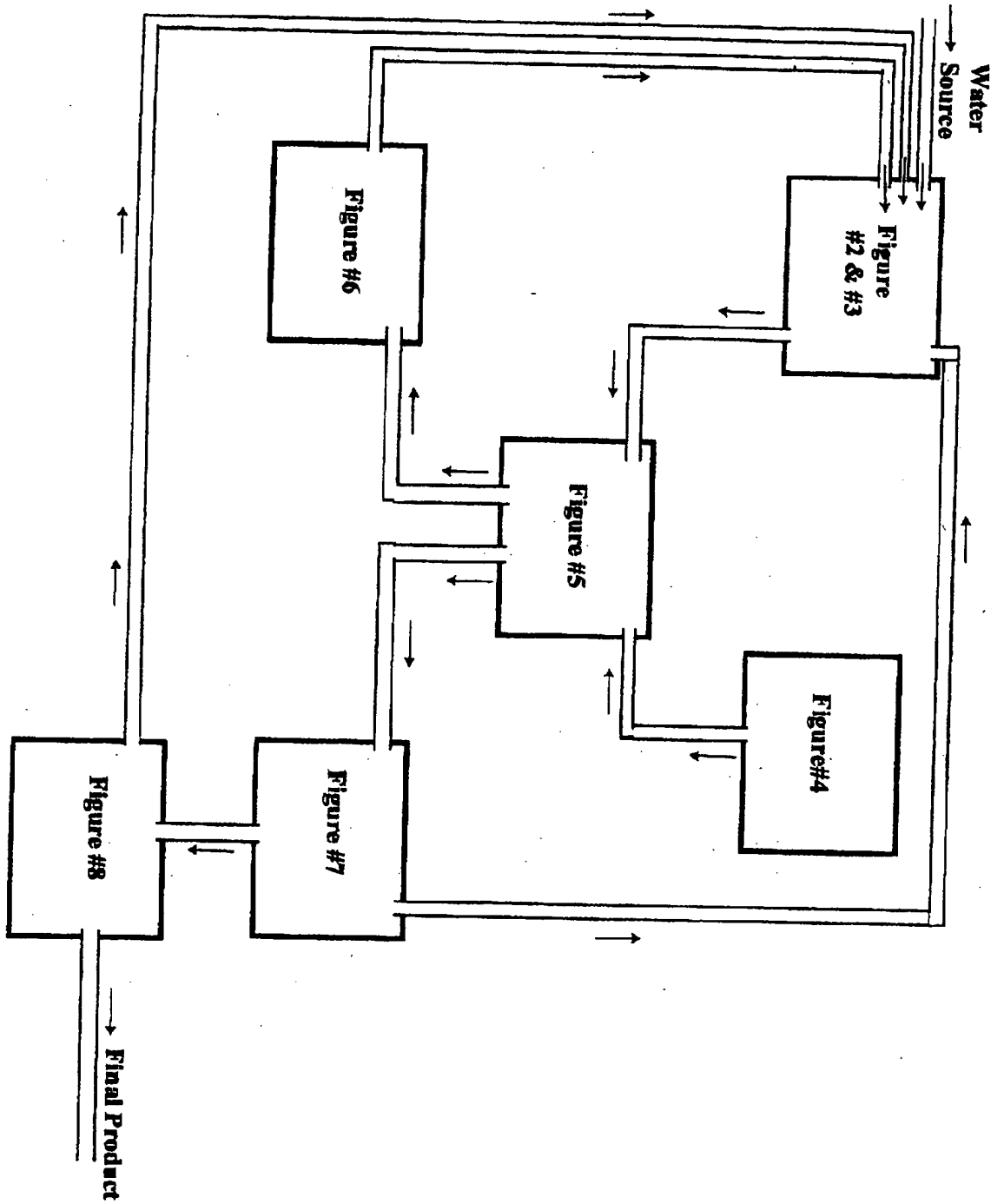
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



**Figure #1**

Flow Diagram  
H9O4 Patent

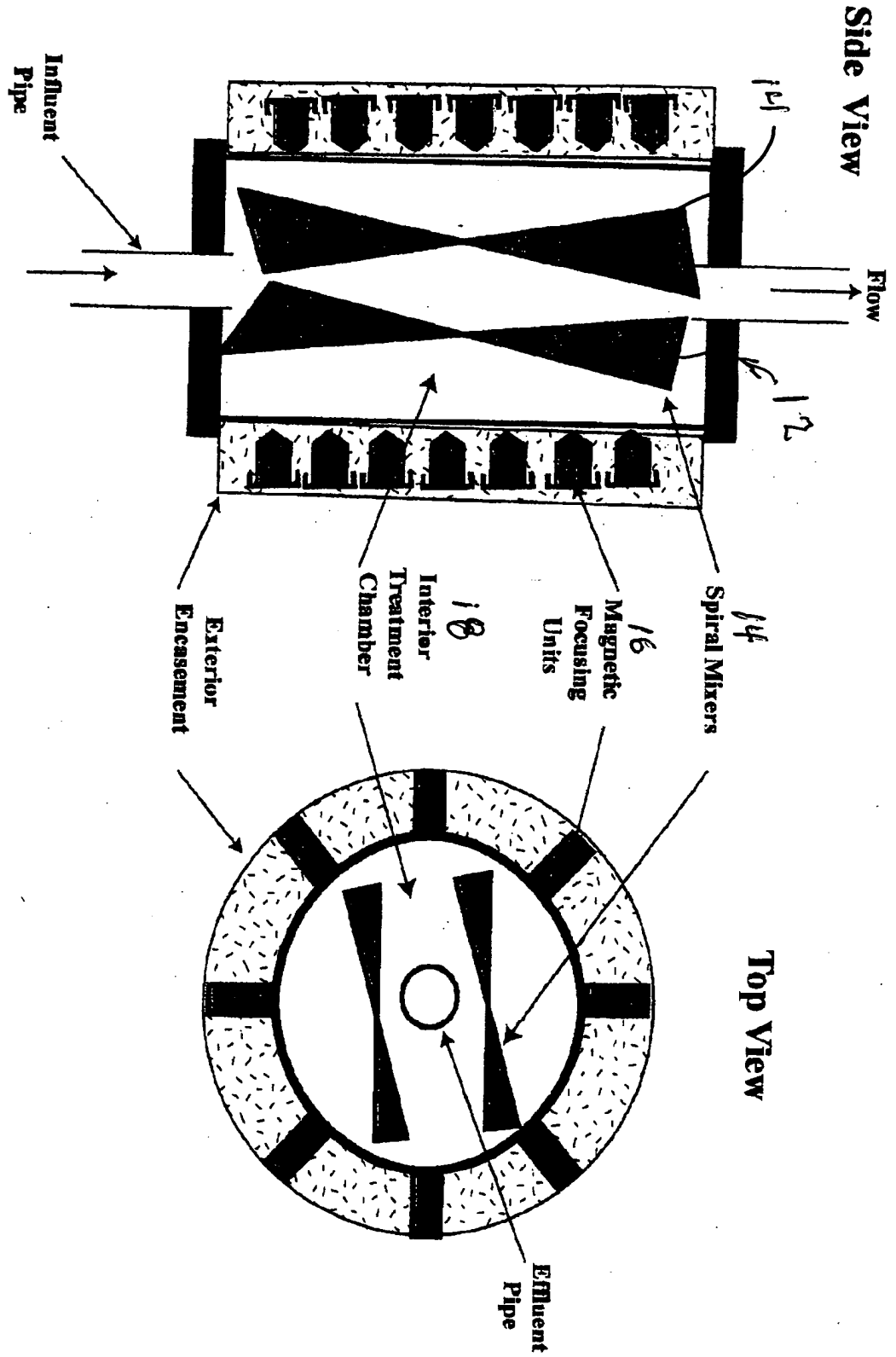
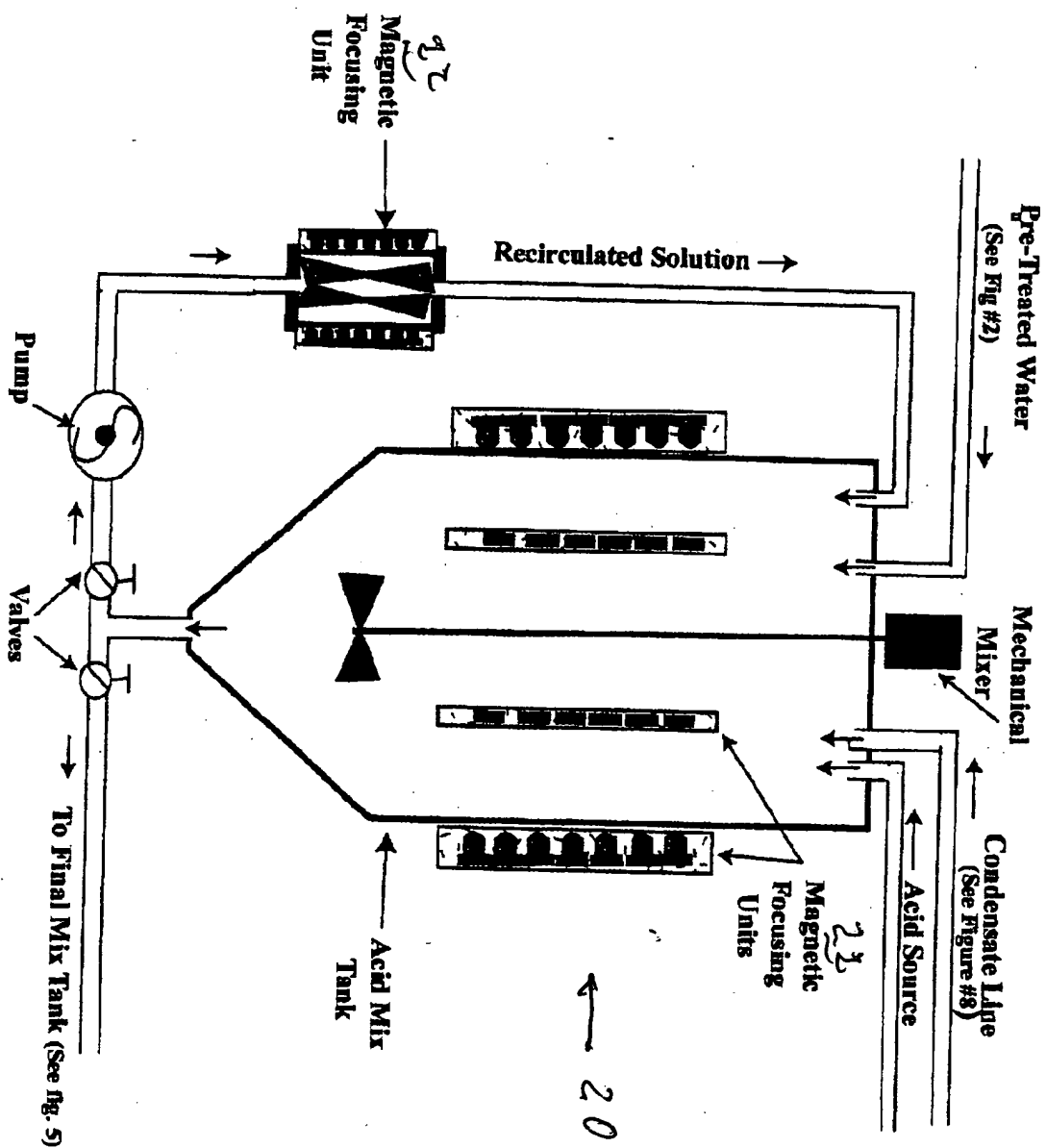


Figure #2

Magnetic Pretreatment Unit  
H904 Patent



**Figure #3**

**Acid Mixing Phase  
H9O4 Patent**



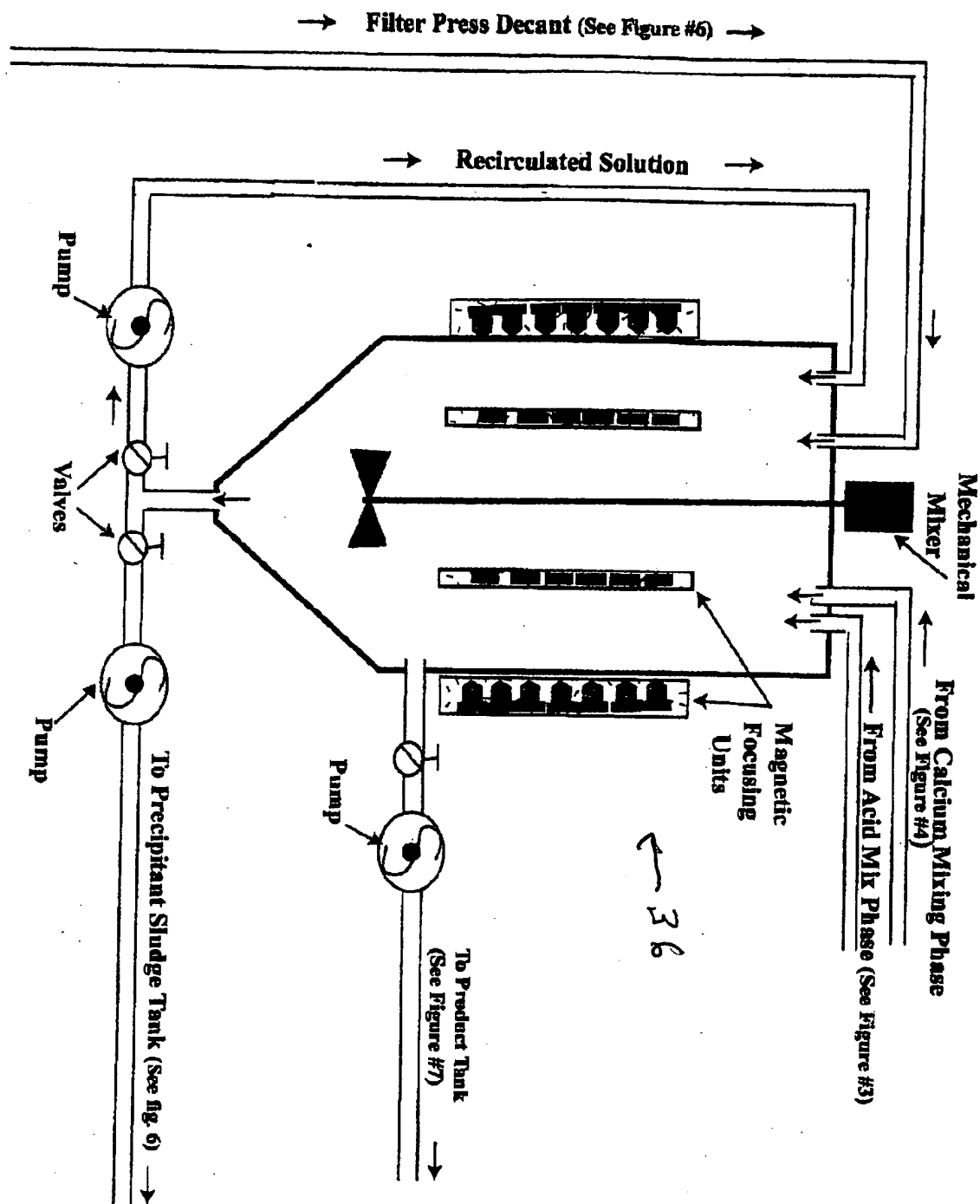
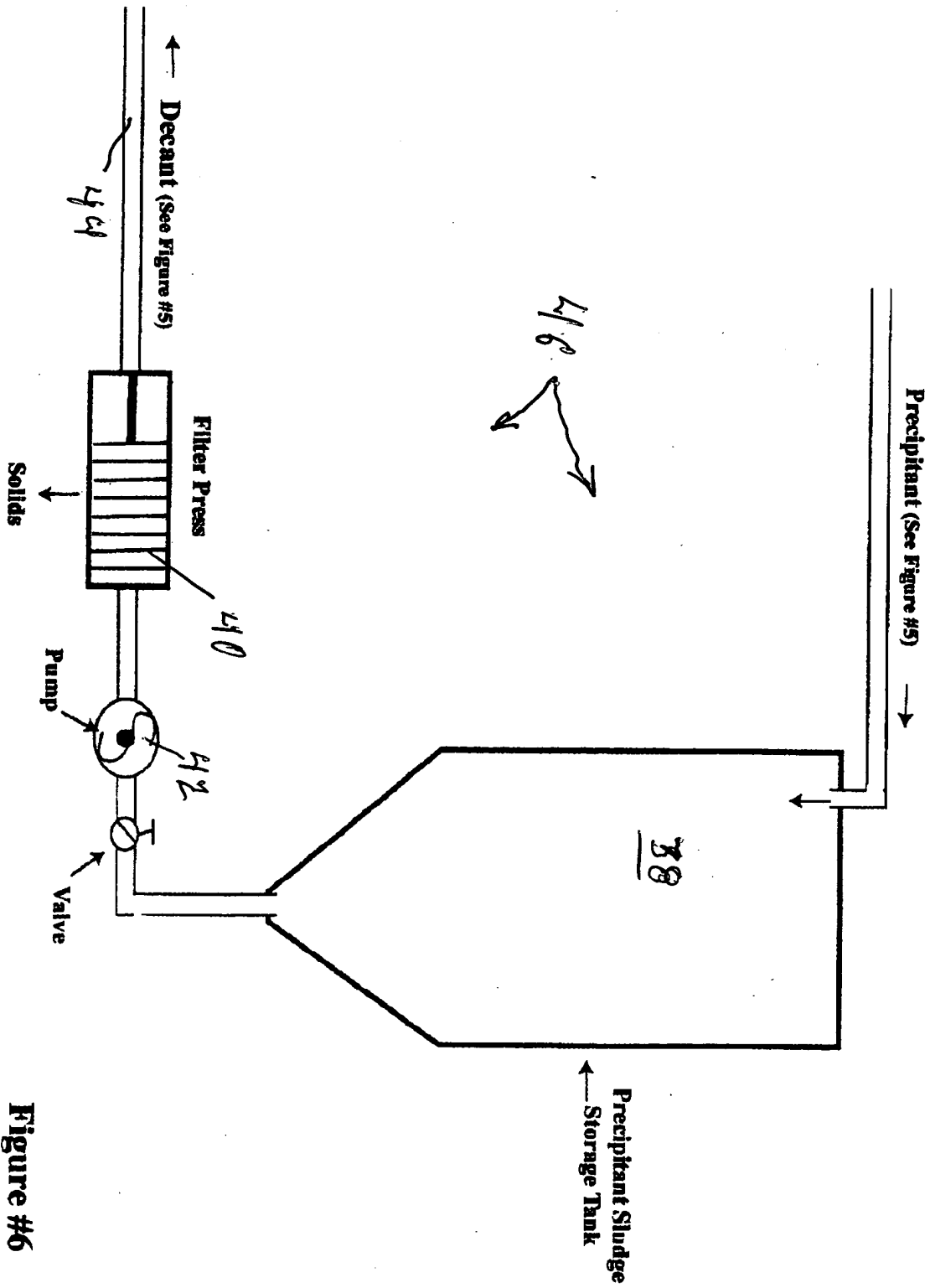


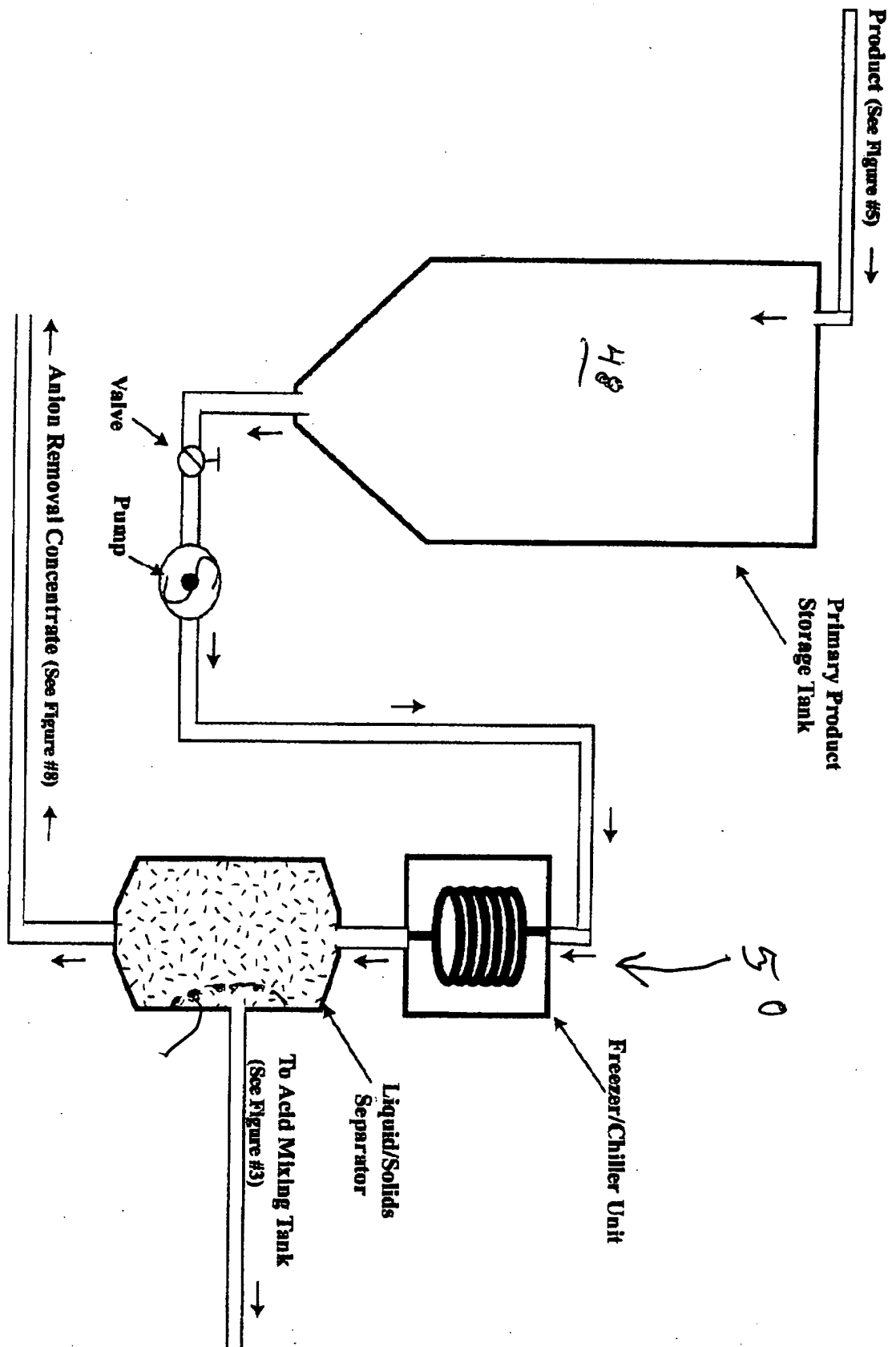
Figure #5

Final Mix Tank  
H9O4 Patent



**Figure #6**

**Precipitant Filtering Phase  
H9O4 Patent**



**Figure #7**

**Secondary Anion Removal  
Water Reducing Phase  
H904 Patent**



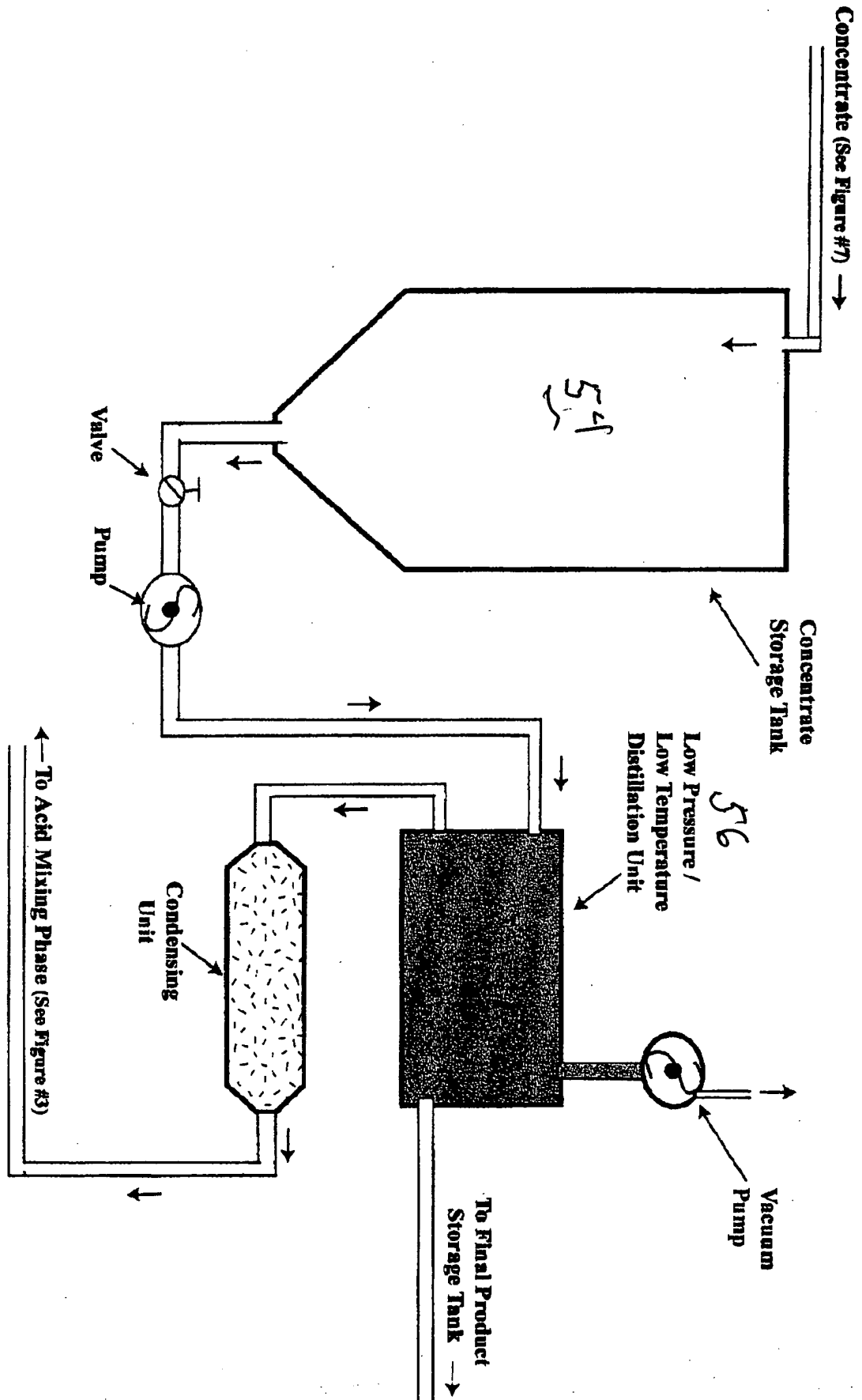
**Figure #8****Final Water Removal Phase  
H904 Patent**

FIG. 9

1. AGITATE WATER TO REDUCE WATER CLUSTERS
2. ADD IN SULFURIC ACID PROVIDING SOLUTION A
3. PREPARE  $\text{Ca}^{++}$  SOLUTION AND CONVERT  $\text{Ca}^{++}$  TO  $\text{Ca}^{+++}$   
PROVIDING SOLUTION B
4. ADD SOLUTION B TO SOLUTION A
5. ADD SURFACTANT TO PROMOTE PRECIPITATION
6. SETTLE AND FILTER OUT PRECIPITATED  $\text{Ca}$  SULFATE
7. FREEZE TO SLUSH AND FILTER OUT ICE PROVIDING LIQUID
8. DISTIL OFF FREE WATER FROM LIQUID LEAVING  $\text{H}_3\text{O}_4^+$